BEAM POWER TUBE

6G-B3A is a high perviance, beam pentode designed for use as a horizontal deflection output tube in television receivers.

BASE B5-187 Octal
TOP CAP C1-2 Skirted Miniature
MOUNTING POSITION--Any
HEATER
Voltage .... 6.3 (V)
Current .... 1.2 (A)

MAXIMUM RATINGS
(Design Center Values)§

Plate Voltage	550 (V)
Peak Pulse Plate Voltage	+6,600◇ (V) -1,500 (V)
Grid No. 2 Voltage	200 (V)
Peak Negative Grid No. 1 Voltage	1,000 (V)
Plate Dissipation	13 (W)
Grid No. 2 Dissipation	5 (W)
Total Cathode Current	150 (mA)
Peak Heater—Cathode Voltage	
Heater negative with respect to cathode	200 (V)
Heater positive with respect to cathode	200△ (V)
Grid No. 1 Circuit Resistance	2.2 (MΩ)

§ For operation in a 525-line, 30-frame system.
◇ The duration of the voltage pulse must not exceed 15 per cent of one horizontal scanning cycle.
Under no circumstances should this absolute value be exceeded.
△ The D.C. component must not exceed 100 volts.

TYPICAL OPERATION

Plate Voltage	40	100	(V)
Grid No. 2 Voltage	100	100	(V)
Grid No. 1 Voltage	0	-7.7	(V)
Plate Current	240	100	(mA)
Grid No. 2 Current	19	7	(mA)
Transconductance	--	14,000	(μ℧)
Plate Resistance (Approx.)	--	5.3	(kΩ)

AVERAGE PLATE CHARACTERISTICS



